Title (en)
  RELIABLE MULTICAST COMMUNICATION

Title (de)
  ZUVERLÄSSIGE MULTICAST-KOMMUNIKATION

Title (fr)
  COMMUNICATION A MULTIDIFFUSION FIABLE

Publication
  EP 1687647 A4 20111123 (EN)

Application
  EP 04789340 A 20040930

Priority
  • US 2004032146 W 20040930
  • US 72193903 A 20031125

Abstract (en)
  [origin: US2005111452A1] Disclosed are various ways of performing reliable multicast communication which may include, for example, designating which node or nodes to acknowledge a message and/or whether to immediately acknowledge or delay acknowledgement of a message, which may be of particular use with routers, packet switching systems, computer systems, and other devices. Multiple nodes are typically sent a multicast message, which includes an indication of one or more designated nodes to acknowledge the message, a sequence number or other message identification value, and possibly an indication whether an immediate or delayed acknowledgment is requested. A node receiving the message responds accordingly if it is designated to acknowledge the message, which may include requesting any missing messages, and/or sending an acknowledgment message for the messages it has received since it sent its last acknowledgment message.

IPC 8 full level
  G01R 31/08 (2006.01); **G06F 11/00** (2006.01); **G06F 11/30** (2006.01); **G08C 15/00** (2006.01); **H04J 1/16** (2006.01); **H04J 3/14** (2006.01); **H04L 1/00** (2006.01); **H04L 12/18** (2006.01); **H04L 12/26** (2006.01); H04L 12/56 (2006.01)

IPC 8 main group level
  G06F (2006.01)

CPC (source: EP US)
  H04L 12/1868 (2013.01 - EP US); **H04L 12/56** (2013.01 - EP US)

Citation (search report)
  • [YA] US 6151696 A 20001121 - MILLER C KENNETH [US], et al
  • [YA] WO 0191359 A1 20011129 - KONINKL PHILIPS ELECTRONICS NV [NL]
  • See references of WO 2005057332A2

Designated contracting state (EPC)
  AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
  US 2005111452 A1 20050526; **US 7095739 B2 20060822**; CN 100547420 C 20091007; CN 1886667 A 20061227; EP 1687647 A2 20060809; EP 1687647 A4 20111123; EP 1687647 B1 20160622; US 2006262795 A1 20061123; US 8346904 B2 20130101; WO 2005057332 A2 20050623; WO 2005057332 A3 20051201

DOCDB simple family (application)
  US 72193903 A 20031125; CN 200480034827 A 20040930; EP 04789340 A 20040930; US 2004032146 W 20040930; US 49526006 A 20060729